

Nov-14-2000 11:44am From-TROUTMAN SANDERS

T-744 P.003/014 F-884

DECLARATION AND POWER OF ATTORNEY

In Re Application: Sundaresan Jayaraman and Sungmee Park

Attorney's Docket No. GTRC77

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name. I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **—A NOVEL FABRIC-BASED SENSOR FOR MONITORING VITAL SIGNS**, the specification of which:

☒ is attached hereto.☐ was filed on _____ as Application No. _____ (if applicable) and was amended on _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I do not know and do not believe that the same was ever known or used by others in the United States of America before our invention thereof, or patented or described in any printed publication in any country before our invention thereof or more than one year prior to the date of this application. I further state that the invention was not in public use or on sale in the United States of America more than one year prior to the date of this application. *I understand that I have a duty of candor and good faith toward the Patent and Trademark Office*, and I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of the foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed:

<u>Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Priority Claimed Under 35 USC §119</u>
			Yes _____ No _____

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter disclosed and claimed in the present application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>Application Serial No.</u>	<u>Filing Date</u>	<u>Status: patented, pending, abandoned</u>
Serial No. 09/157,607	September 21, 1998	Patented - U.S. Patent No. 6,145,551
Serial No. 09/273,175	March 19, 1999	Pending

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon.

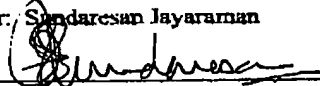
POWER OF ATTORNEY: The following attorneys and/or agents are hereby appointed to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: GERALD R. BOSS, REG. NO. 36,460; R. STEVAN COURSEY, REG. NO. 39,949; TODD DEVEAU, REG. NO. 29,526; JOEL S. GOLDMAN, REG. NO. 29,070; W. BROOK LAFFERTY, REG. NO. 39,259; HAROLD L. MARQUIS, REG. NO. 20,594; RYAN A. SCHNEIDER, REG. NO. 45,083; GREGORY S. SMITH, REG. NO. 40,819; KENNETH SOUTHALL, REG. NO. 38,315; CHARLES L. WARNER, REG. NO. 32,320; and ROGER S. WILLIAMS, REG. NO. P43,273

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Citizenship: USA

Inventor's signature: 

Date: Nov 14, 2000

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Nov-14-2000 11:45am From-TROUTMAN SANDERS

T-744 P.004/014 F-884

Full name of second inventor: Sungmee Park
Citizenship: ~~USA~~ REPUBLIC OF KOREA
Inventor's signature: *Sungmee Park*
Date: 11/14/00
Residence and Post Office Address: 3825 Lavista Road, Apt. No. #Z-3, Tucker, Georgia 30084

Parameter	Unit	Value	Unit	Value
Temperature	°C	25.0	Temperature	°C
Pressure	mmHg	760	Pressure	mmHg
Humidity	%	50	Humidity	%
Light intensity	lux	1000	Light intensity	lux
CO ₂ concentration	ppm	400	CO ₂ concentration	ppm
O ₂ concentration	%	21	O ₂ concentration	%
pH		7.0	pH	
DO (Dissolved Oxygen)	mg/L	8.0	DO (Dissolved Oxygen)	mg/L
Salinity	g/L	10	Salinity	g/L
Conductivity	µS/cm	1000	Conductivity	µS/cm
Turbidity	NTU	10	Turbidity	NTU
Chlorophyll a	µg/L	10	Chlorophyll a	µg/L
Chlorophyll b	µg/L	10	Chlorophyll b	µg/L
Chlorophyll total	µg/L	20	Chlorophyll total	µg/L
Protein	mg/L	10	Protein	mg/L
Carbohydrate	mg/L	10	Carbohydrate	mg/L
Lipid	mg/L	10	Lipid	mg/L
Cell count	cells/mL	10 ⁶	Cell count	cells/mL
Biomass	g/L	10	Biomass	g/L
Respiration rate	µmol/L/h	10	Respiration rate	µmol/L/h
Photosynthesis rate	µmol/L/h	10	Photosynthesis rate	µmol/L/h
Growth rate	1/d	10	Growth rate	1/d
Survival rate	%	100	Survival rate	%
Mortality rate	1/d	10	Mortality rate	1/d
Reproduction rate	1/d	10	Reproduction rate	1/d
Feeding rate	mg/L/h	10	Feeding rate	mg/L/h
Excretion rate	mg/L/h	10	Excretion rate	mg/L/h
Uptake rate	mg/L/h	10	Uptake rate	mg/L/h
Release rate	mg/L/h	10	Release rate	mg/L/h
Conversion rate	1/d	10	Conversion rate	1/d
Efficiency	%	100	Efficiency	%
Yield	g/L	10	Yield	g/L
Productivity	g/L/d	10	Productivity	g/L/d
Stability	1/d	10	Stability	1/d
Recovery	1/d	10	Recovery	1/d
Adaptation	1/d	10	Adaptation	1/d
Evolution	1/d	10	Evolution	1/d
Selection	1/d	10	Selection	1/d
Competition	1/d	10	Competition	1/d
Cooperation	1/d	10	Cooperation	1/d
Symbiosis	1/d	10	Symbiosis	1/d
Parasitism	1/d	10	Parasitism	1/d
Predation	1/d	10	Predation	1/d
Amensalism	1/d	10	Amensalism	1/d
Commensalism	1/d	10	Commensalism	1/d
Mutualism	1/d	10	Mutualism	1/d
Neutralism	1/d	10	Neutralism	1/d
Antagonism	1/d	10	Antagonism	1/d
Amensalism	1/d	10	Amensalism	1/d
Commensalism	1/d	10	Commensalism	1/d
Mutualism	1/d	10	Mutualism	1/d
Neutralism	1/d	10	Neutralism	1/d
Antagonism	1/d	10	Antagonism	1/d
Amensalism	1/d	10	Amensalism	1/d
Commensalism	1/d	10	Commensalism	1/d
Mutualism	1/d	10	Mutualism	1/d
Neutralism	1/d	10	Neutralism	1/d
Antagonism	1/d	10	Antagonism	1/d
Amensalism	1/d	10	Amensalism	1/d
Commensalism	1/d	10	Commensalism	1/d
Mutualism	1/d	10	Mutualism	1/d
Neutralism	1/d	10	Neutralism	1/d
Antagonism	1/d	10	Antagonism	1/d
Amensalism	1/d	10	Amensalism	1/d
Commensalism	1/d	10	Commensalism	1/d
Mutualism	1/d	10	Mutualism	1/d
Neutralism	1/d	10	Neutralism	1/d
Antagonism	1/d	10	Antagonism	1/d
Amensalism	1/d	10	Amensalism	1/d
Commensalism	1/d	10	Commensalism	1/d
Mutualism	1/d	10	Mutualism	1/d
Neutralism	1/d	10	Neutralism	1/d
Antagonism	1/d	10	Antagonism	1/d
Amensalism	1/d	10	Amensalism	1/d
Commensalism	1/d	10	Commensalism	1/d
Mutualism	1/d	10	Mutualism	1/d
Neutralism	1/d	10	Neutralism	1/d
Antagonism	1/d	10	Antagonism	1/d
Amensalism	1/d	10	Amensalism	1/d
Commensalism	1/d	10	Commensalism	1/d
Mutualism	1/d	10	Mutualism	1/d
Neutralism	1/d	10	Neutralism	1/d
Antagonism	1/d	10	Antagon	